

RECEIVED

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

JAN 18 2002

In the Claims:

Claim 105 has been amended as follows:

TECH CENTER 1600/290

105. (Amended) A recombinant or synthetic polynucleotide encoding a vertebrate telomerase reverse transcriptase, which has telomerase activity when associated with telomerase RNA component and contains at least one of the following motifs: FFYxTE (SEQ ID NO:71), RKxxWxxL (SEQ ID NO:477), RxIPK (amino acids 2-6 of SEQ ID NO:367), FxxxDxxxxYD (amino acids 795-805 of SEQ ID NO:4), GIPQGS (amino acids 703-708 of SEQ ID NO:69), LLLRL (amino acids 253-257 of SEQ ID NO:100), DDFL (amino acids 3-6 of SEQ ID NO:6), or WxGxxxxxxxxL.